

09981649 101501

Notch(C)	IDEQ-SNP	QNGGTQ---	D-VGSY-Q-CPPQFT	QK---QE-N
10244(C)	-NECTM---	QOH---	VNT-GSY-QKQ-SQ--	Q--L-Q D
80			GRCPFGYT	QKT CSQ D
95	VNECGMKPRP	QOHR	Q	QIMLMP D
133	VNSKTCAMIN	QOYS	Q	QURLAPN
175	IDEQASGRVI	CPYNRUC	VNTFGSYQKCHIGFE	LQYISGR
220	INECTMDSHT	CSIRHANQ	FNTOGSF QKQQGYK	QNGRLCS
CD27(C)	V-EQ-SG-Q--	Q-SS--	-NTVGSY-QRCPGM-P-PQ-PN---	D
EGF(C)	NSDSECP	PLSHDGYCL	HDGVCMYIEALDKYACN	QWGYI---QER--QYRDLKWWELR

Figure 1

GGCTGGAGAA GAAACAGCAA GGGAGTCTGT GAAGCTACAT GCGAACTGG
ATGTAAGTTT GGTGAGTGCG TGGGACCAAA CAAATGCAGA TGCTTTCCAG
GATACACCGG GAAAACCTGC AGTCAAGATG TGAATGAGTG TGGAAAGAAA
CCCCGGCCAT GCCAACACAG ATGTGTGAAT ACACACGGAA GCTACAAGTG
CTTTTGCCTC AGTGGCCACA TGCTCATGCC AGATGCTACG TGTGTGAACT
CNAGGACATG TGCCATGATA AACTGTCACT ATAGCTGTGA AGACACAGAA
(SEQ ID NO 1)

GGCTGGAGAA GAAACAGCAA GGGAGTCTGT GAAGCTACAT GCGAACTGG
ATGTAAGTTT GGTGAGTGCG TGGGACCAAA CAAATGCAGA TGCTTTCCAG
GATACACCGG GAAAACCTGC AGTCAAGATG TGAATGAGTG TGGAAAGAAA
CCCCGGCCAT GCCAACACAG ATGTGTGAAT ACACACGGAA GCTACAAGTG
CTTTTGCCTC AGTGGCCACA TGCTCATGCC AGATGCTACG TGTGTGAACT
CNAGGACATG TGCCATGATA AACTGTCACT ATAGCTGTGA AGACACAGAA
GAAGGGCCAC AGTGCCTGTG TCCATCCTCA GGAATCCGCC TGGCCCCAAA
TGAAGAGAC TGTCTAGATA TTGATGAATG TGCCTCTGGT AAAGTCATCT
GTCCCTACAA TCGAAGATGT GTGAACACAT TTGGAAGCTA CTACTGCAAA
TGTCACATTG GTTTCGAACT GCAATATATC AGTGGACGAT ATGACTGTAT
AGATATAAAT GAATGTACTA TGGATAGCCA TACGTGCAGC CACCATGCCA
ATTGCTTCAA TACCCAAGGG TCCTTCAAGT GTAAATGCAA GCAGGGATAT
AAAGGCAATG GACTTCGGTG TTCTGCTATC CCTGAAAATT CTGTGAAGGA
AGTCCTCAGA GCACCTGGTA CCATCAAAGA CAGAATCAAG AAGTTGCTTG
CTCACAAAAA CAGCATGAAA AAGAAGGCAA AAATTAAAAA TGTTACCCCA
GAACCCACCA GGAATCCTAC CCCTAAGGTG AACTTGCAGC CCTTCAACTA
TGAAGAGATA GTTTCAGAG GCGGGAATC TCATGGAGGT AAAAAAGGGA
ATGAAGAGAA AATGAAAGAG GGGCTTGAGG ATGAGAAAAG AGAAGAGAAA
GCCCTGAAGA ATGACATAGA GGAGCGAAGC CTGCGAGGAG ATGTGTTTTT
CCCTAAGGTG AATGAAGCAG GTGAATTCCG CCTGATTCTG GTCCAAAGGA
AAGCGCTAAC TTCCAACTG GAACATAAAG ATTTAAATAT CTCGGTGAC
TGCAGCTTCA ATCATGGGAT CTGTGACTGG AAACAGGATA GAGAAGATGA
TTTTGACTGG AATCCTGCTG ATCGAGATAA TGCTATTGGC TTCTATATGG
CAGTTCCGGC CTTGGCAGGT CACATGAAAG ACATTGGCCG ATTGAACTT
CTCCTACCTG ACCTGCAACC CCAAAGCAAC TTCTGTTTGC TCTTTGATTA
CCGGCTGGCC GGAGACAAAG TCGGGAAGCT TCGAGTGTTT GTGAAAACA
GTAACAATGC CCTGGCATGG GAGAAGACCA CGAGTGAGGA TGAAAAGTGG
AAGACAGGGA AAATTCAGTT GTATCAAGGA ACTGATGCTA CAAAAGCAT
CATTTTTGAA GCAGAACGTG GCAAGGGCAA AACCGGCGAA ATCGCAGTGG
ATGGCGTCTT GCTTGTTTCA GGCTTATGTC CAGATAGCCT TTTATCTGIG
GANNCTGAA TGGTACTATC TTTATATTTG ACTTTGTATG TCAGTTCCCT
GGTTTTTTTG ATATTGCATC ATAGGACCTC TGGCATTTTA AAATTACTAG
CTGAAAAATT G
(SEQ ID NO 2)

Figure 2

GWRNSKGVCEATCEPGCKFGECVGPNNKRCFPGYTGKTCSDVNECGMKPRPCQHR
CVNTHGSYKCFCLSGHMLMPDATCVNSRTCAMINCQYSCEDTE
(SEQ ID NO 3)

GWRNSKGVCEATCEPGCKFGECVGPNNKRCFPGYTGKTCSDVNECGMKPRPCQHR
CVNTHGSYKCFCLSGHMLMPDATCVNSRTCAMINCQYSCEDTEEGPQCLCPSSGLRLAP
NGRDCLDIDECASGKVICPYNRRCVNTFGSYCKCHIGFELQYISGRYDCIDINECTMDS
HTCSHHANCFNTQGSFKCKCKQGYKGNGLRCSAIPENSVKEVLRAPGTTKDRKKLLAH
KNSMKKKAKTKNVTPEPTRTPKVNLPFNYYEIVSRGGNSHGGKKGNEEKMKEGLE
DEKREEKALKNDIEERSLRGDVFFPKVNEAGEFGLILVQRKALTSKLEHKDLNISVDCSF
NHGICDWKQDREDDFDWNPADRDNAIGFYMAVPALAGHMKDIGRLKLLLPDLQPQSN
FCLLFDYRLAGDKVGKLRVFKNSNNALAWKTTSEDEKWKTGKIQLYQGTDATKSIIF
EAERGKGKTGEIADVGVLLVSGLCPSLLSVDDXMVLSLYLTYVSSLVFLILHRTSGI
LKLLAEKL
(SEQ ID NO 4)

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Figure 3

Figure 4

ACTAGTGATTCCATCCTAATACGACTCACTATAGGGCTCGAGCGGCCGCCGGGCAGGTCTGCAGGGACAGCACCCCGTA
ACTCCGAGTGGAGCGGAGGACCCGAGCGGCTGAGGAGAGAGGAGCGCGGCTTAGCTGCTACGGGGTCCGGCCGGCGCC
CTCCCGAGGGGGGCTCAGGAGGAGGAAGGAGGACCCGTCGAGAATGCCTCTGCCCTGGAGCCCTTGCCTCCCGCTGCTG
CTCCCTGGGTGGCAGGTGGTTTTCGGGAACGCGGCCAGTGCAAGGCATCACGGGTTGTTAGCATCGGCACGTGAGCCTGG
GGTCTGTCACTATGGAACATAAACTGGCCTGCTGCTACGGCTGGAGAAGAAACAGCAAGGGAGTCTGTGAAGCTACATGCC
AACCTGGATGTAAGTTTGGTGAAGTCCGTGGGACCAAAACAAATGCAGATGCTTTCCAGGATACACCGGAAAACCTGCAGT
CAAGATGTGAATGAGTGTGGAATGAAAACCCCGGCCATGCCAACACAGATGTGTGAATACACACGGAAGCTACAAGTGCTT
TTGCCTCAGTGGCCACATGCTCATGCCAGATGCTACGTGTGTGAACCTTAGGACATGTGCCATGATAAACTGTCAGTATA
CTGTGAAGACACAGAAGAAGGGCCACAGTGCCTGTGTCCATCCTCAGGACTCCGCCTGGCCCCAAATGGAAGAGACTGT
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CCGAAGCCTGCGAGGAGATGTGTTTTTCCCTAAGGTGAATGAAGCAGGTGAATTCGGCCTGATTCGGTCCAAAGGAAAG
CGCTAACTTCCAACTGGAACATAAAGATTTAAATATCTCGGTTGACTGCAGCTTCAATCATGGGATCTGTGACTGGAAA
CAGGATAGAGAAGATGATTTTGAAGTCAATCCTGCTGATCGAGATAATGCTATTGGCTTCTATATGGCAGTTCCGGCCTT
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AAGACCACGAGTGAAGATGAAAAGTGAAGACAGGGAAAAATTCAGTTGTATCAAGGAAGTGAATGCTACCAAAAGCATCAT
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TGCCTTTMTTGTATAAGATATGCCAATATTGCTTTAAATATCATATCATCTGATCTTCTCAGTCATTTCTGAATCTTTC
CACATTATATTATAAAATATGGAATGTGAGGTTTATCTCCTCCTCAGTATATCTGATTGTATAAGTAAGTTGATGA
GCTTCTCTCTGCAACATTTCTAGAAAAATAGAAAAAAGCACAGAGAAATGTTTAACTGTTTGAAGTCTTATGATAGTTTT
TGGAAACTATGACATCAAAGATAGACTTTTGCCTAAGTGGCTTAGCTGGGTCTTTCATAGCCAAACTTGTATATTTAAAT
TCTTTGTAATAATAATATCCAAATCATCAAAAAAAAAAAAAAAAAAAAA (SEQ ID NO: 5)

Figure 5

MPLPWSLALPELLPWVAGGFGNAASARHHGLLASARQPGVCHYGTKLACCYGWERNSEKGVCEATCEPGCKFGCECVGPNKC
RCFFGYTGKTCSDVNECGMKPRPCQHRVCNTHGSYKCFCLSGHMLMPDATCVNSRTCAMINCQYSCEDTEEGPQCCLCPS
SGLRLAPNGRDCLDIDEASGKVICPYNARCNTFGSYCKCHIGFELQYISGRYDCIDINECTMDSHTCSHHANCFNTQ
GSFKCKCKQGYKNGNLRCSAIPENSVEVLRAPGTIKDRICKLLAHKNSMKKKAKIKNVTPEPTRTPTPKVNLQPFNYEE
IVSRGGNSHGGKKGNEEKKKEGLEDEKREKALKNDXEERSLRGDIVFFPKVNEAGEFGLILVQRKALTSKLEHKDLNISV
DCSPNHGICDWKQDREDDFDWNPADRDNAIGFYMAVPALAGHKKDIGRLKLLLPDLQPSNFCLLFDYRLAGDKVGKLRV
FVKNSNNALAWKTTSEDEKWKTKGIQLYQGTDATKSIIFEAERGKGTGEIAVTDGVLVSGLCPSLSSVDD (SEQ ID NO: 6)

FOSTDT" 649T8660

**EGFL6 (221-260 aa)
3D Model**

**EGF
NMR Structure**

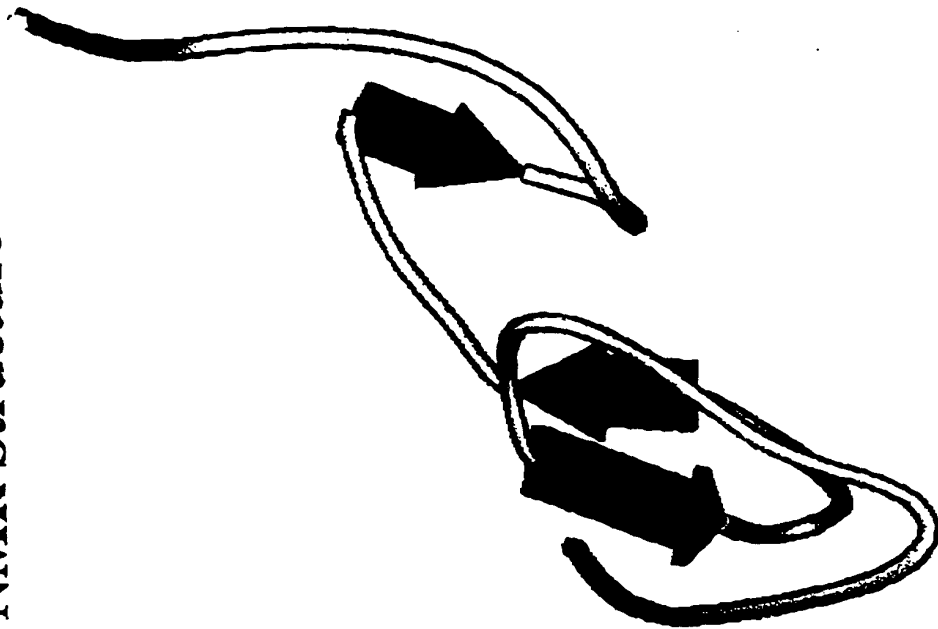
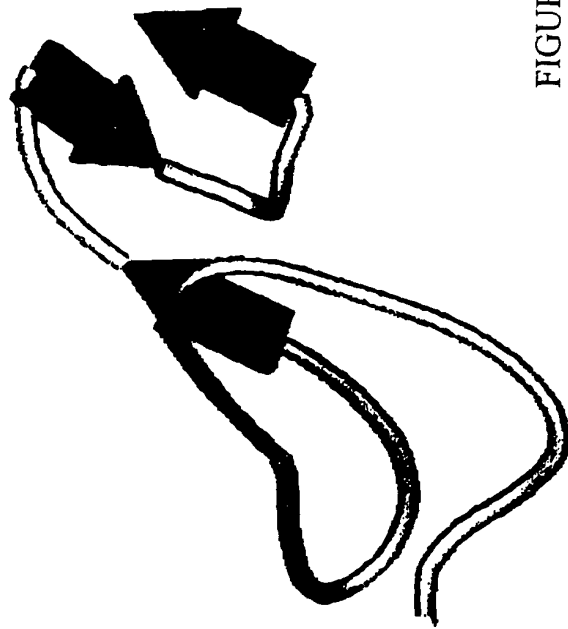


FIGURE 6